Overhead on a Proxied Connection Attorney Docket No. 062891.1136 Inventors: Brantley W. Coile et al. Filed: July 17, 2003 Sheet 1 of 10

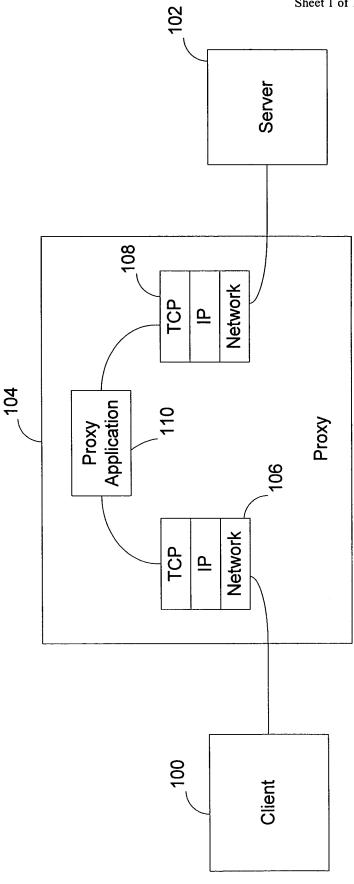
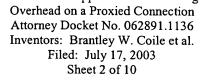


Fig. 1



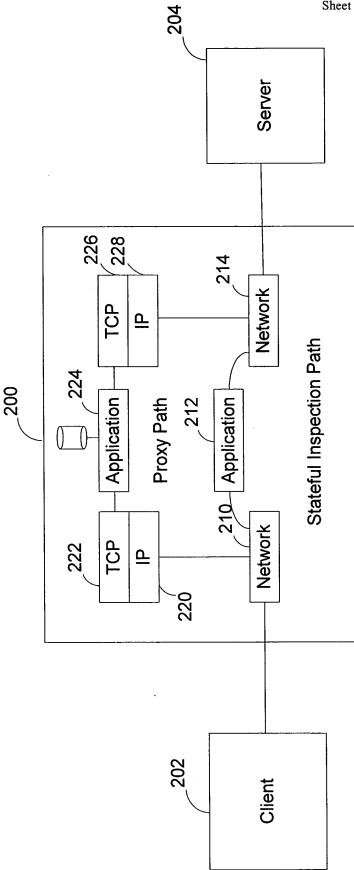


Fig. 2

Attorney Docket No. 062891.1136
Inventors: Brantley W. Coile et al.
Filed: July 17, 2003 314 Sheet 3 of 10 Proxy local application 312 **Participating TCP** 310 application Setup proxy Remainder of IP layer 320 304 Intercepting Non-participating Intercepting controller 1 300 controller 2 application 306 IP address resolution

308

Drop

302

Fig. 3

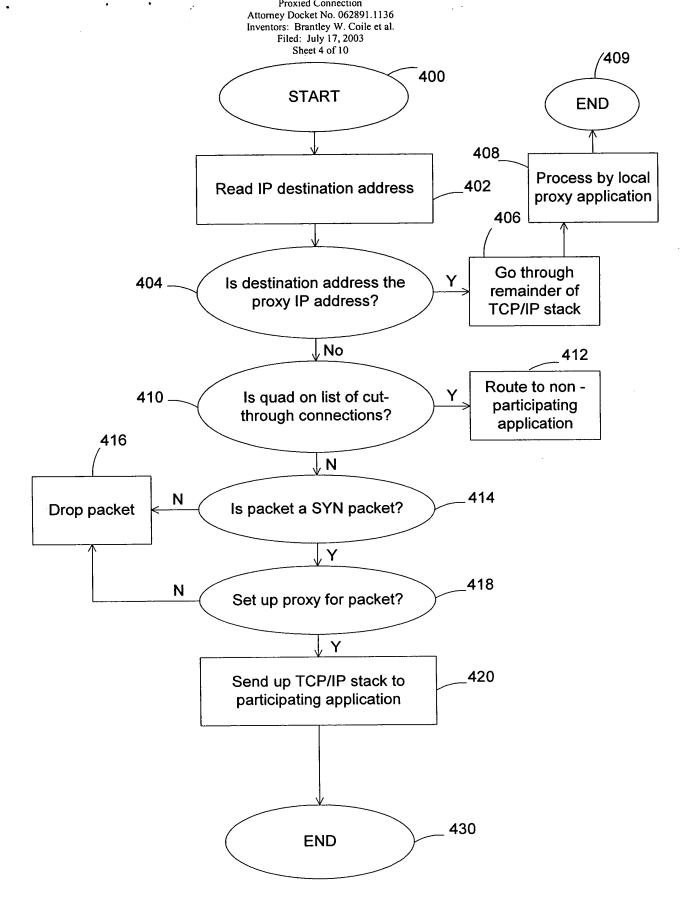


Fig. 4

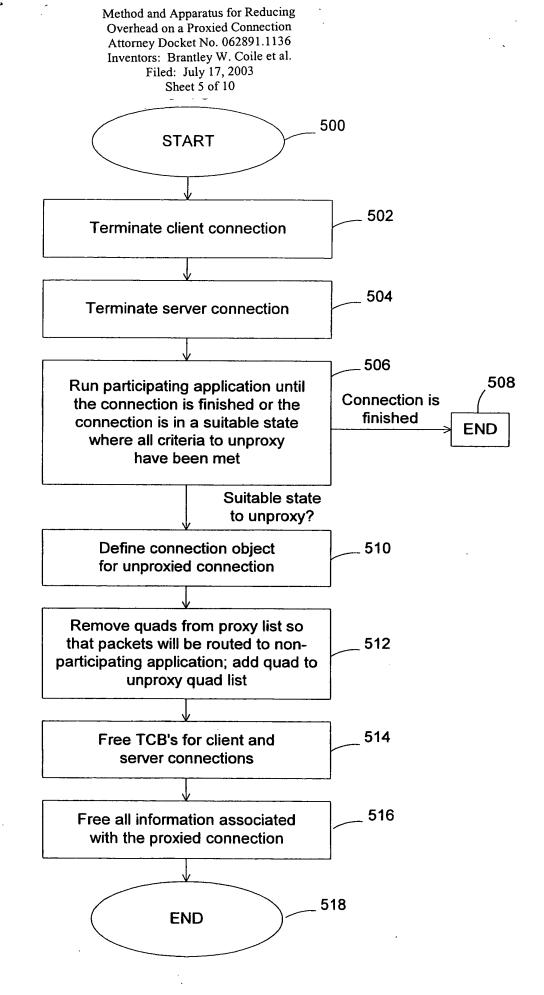


Fig. 5

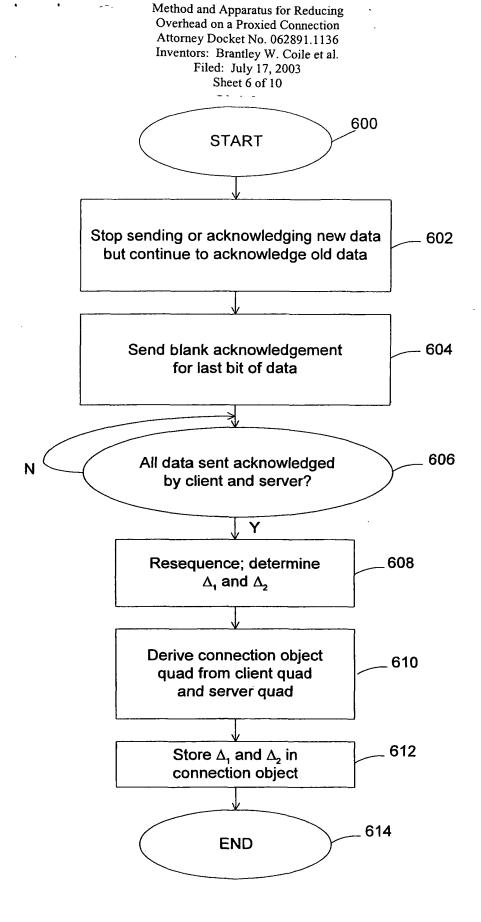


Fig. 6

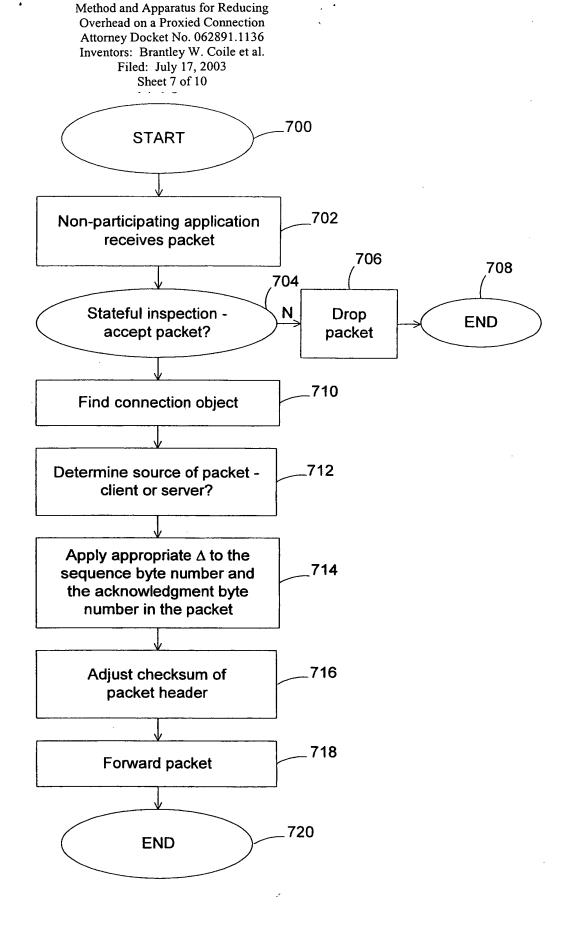


Fig. 7

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$$\Delta_1$$
 = seq<sub>1</sub> - ack<sub>1</sub> = ack<sub>S</sub> - seq<sub>C</sub>  
 $\Delta_2$  = seq<sub>2</sub> - ack<sub>2</sub> = ack<sub>C</sub> - seq<sub>S</sub>

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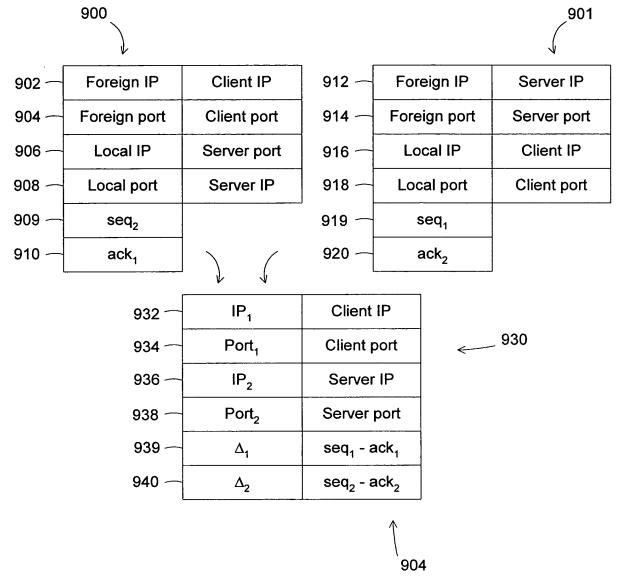


Fig. 9

Method and Apparatus for Reducing Overhead on a Proxied Connection Attorney Docket No. 062891.1136 Inventors: Brantley W. Coile et al. Filed: July 17, 2003 Sheet 10 of 10

